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NLO and FSR NNLO radiative corrections for Drell-Yan processes at LHC

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The NLO electroweak and QCD radiative corrections to Drell-Yan process at extra large invariant dilepton mass (M) in fully differential form have been studied. The results are the compact expressions, they expand via Sudakov and collinear logarithms. The new G/N-method of taking into account of radiative events without any approximations is demonstrated. At the parton/hadron level FORTRAN code READY gives fast convergence and a good coincidence for cross section and forward-backward asymmetry with other groups at M>0.5 TeV. We have also first result on "soft" FSR NNLO radiative corrections to Drell-Yan process.

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